

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
12 December 2002 (12.12.2002)

PCT

(10) International Publication Number
WO 02/098494 A3

(51) International Patent Classification⁷: **A61M 5/32**

(21) International Application Number: **PCT/US02/18235**

(22) International Filing Date: **7 June 2002 (07.06.2002)**

(25) Filing Language: **English**

(26) Publication Language: **English**

(30) Priority Data:
09/876,710 **7 June 2001 (07.06.2001)** **US**

(71) Applicant: **BECTON, DICKINSON AND COMPANY**
[US/US]; 1 Becton Drive, Franklin Lakes, NJ 07417-1880
(US).

(72) Inventors: **GAGNIEUX, Samuel**; 9, rue de Nontesquieu,
F-38320 Eybens (FR). **JANSEN, Hubert**; Lahnblick 7,
D-35041 Marburg-Michelbach (DE).

(74) Agent: **MURTHA, James, J.**; Becton, Dickinson and
Company, 1 Becton Drive, Franklin Lakes, NJ 07417-1880
(US).

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZM, ZW.

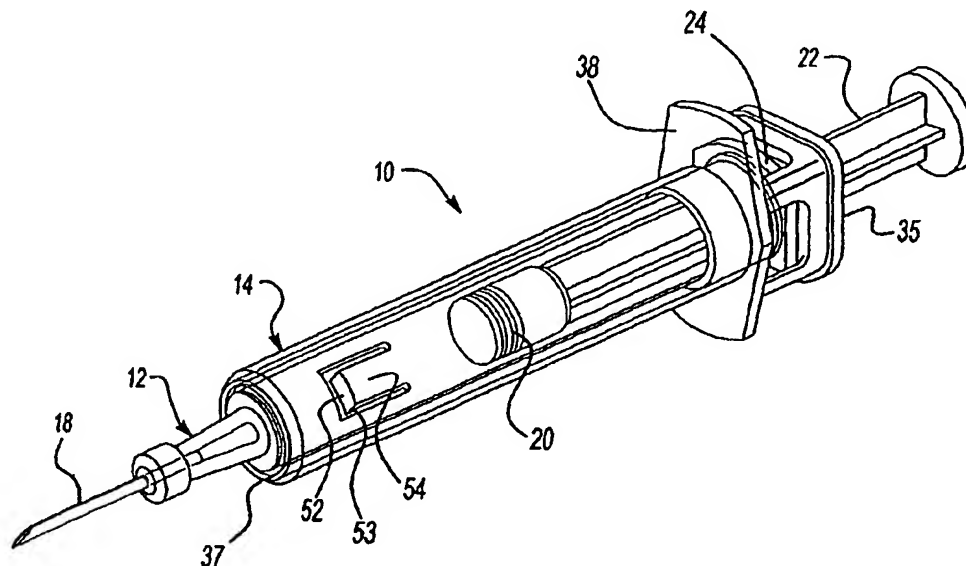
(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- *with international search report*
- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

[Continued on next page]

(54) Title: **SAFETY SHIELD SYSTEM FOR PREFILLED SYRINGES**



(57) Abstract: A medical injection device (10) is provided which includes a shield system (14) and a syringe (12) which may be coupled to the shield system. The shield system includes a syringe holder (26), a shield (28) telescopically received in the holder and slidably coupled to the holder and an end fitting (32) which isolates the syringe flange from the holder, preventing damage to the flange. A spring (30) resiliently urges the shield from a retracted position to an extended position. Stop members are provided adjacent the distal end of the holder and the proximal end of the shield for maintaining the shield in the retracted position. Axial movement of the syringe with respect to the holder causes disengagement of the stop members, allowing the spring to move the shield to the extended position. Detents (52) are provided on the holder for maintaining the shield in the extended position.



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(88) Date of publication of the international search report:
6 February 2003

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

INTERNATIONAL SEARCH REPORT

Int'l Application No

PCT/US 02/18235

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 A61M5/32

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A61M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

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☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

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- *g* document member of the same patent family

Date of the actual completion of the international search

21 November 2002

Date of mailing of the international search report

02/12/2002

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3018

Authorized officer

Jameson, P

INTERNATIONAL SEARCH REPORT

Int'l Application No

PCT/US 02/18235

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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A	<p>US 4 598 820 A (MURPHY ROBERT H) 8 July 1986 (1986-07-08) abstract</p> <p>-----</p>	4,18,21

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International Application No

PCT/US 02/18235

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